GOT5100T-832

All-in-One
10.4” SVGA TFT Fanless Touch Panel Computer with Intel® Atom™ N2600 Processor Onboard

User’s Manual

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Sep.2012, Version A1
Printed in Taiwan

Safety Precautions

Before getting started, please read the following important safety precautions.

1. The GOT5100T-832 does not come equipped with an operating system. An operating system must be loaded first before installing any software into the computer.
2. Be sure to ground yourself to prevent static charge when installing the internal components. Use a grounding wrist strap and place all electronic components in any static-shielded devices. Most electronic components are sensitive to static electrical charge.
3. Disconnect the power cord from the GOT5100T-832 before any installation. Be sure both the system and external devices are turned OFF. A sudden surge of power could ruin sensitive components that the GOT5100T-832 must be properly grounded.
4. The brightness of the flat panel display will be getting weaker as a result of frequent usage. However, the operating period varies depending on the application environment.
5. Turn OFF the system power before cleaning. Clean the system using a cloth only. Do not spray any liquid cleaner directly onto the screen. The GOT5100T-832 comes with a touchscreen. Although the touchscreen is chemical resistant, it is recommended that you spray the liquid cleaner on a cloth first before wiping the screen. In case your system comes without the touchscreen, you must follow the same procedure and not spray any cleaner on the flat panel directly.
6. Avoid using sharp objects to operate the touchscreen. Scratches on the touchscreen may cause malfunction or internal failure to the touchscreen.
7. The flat panel display is not susceptible to shock or vibration. When assembling the GOT5100T-832, make sure it is securely installed.
8. Do not open the system's back cover. If opening the cover for maintenance is a must, only a trained technician is allowed to do so. Integrated circuits on computer boards are sensitive to static electricity. To avoid damaging chips from electrostatic discharge, observe the following precautions:
   - Before handling a board or integrated circuit, touch an unpainted portion of the system unit chassis for a few seconds. This will help to discharge any static electricity on your body.
   - When handling boards and components, wear a wrist-grounding strap, available from most electronic component stores.

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CHAPTER 1
INTRODUCTION

This chapter contains general information and detailed specifications of the **GOT5100T-832**. Chapter 1 includes the following sections:

- **General Description**
- **Specification**
- **Dimensions**
- **I/O Outlets**
- **Package List**

1.1 General Description

The GOT5100T-832 is a fan-less and compact-size touch panel computer, equipped with a 10.4" TFT LCD display and low power consumption Intel® Atom™ N2600 1.6GHz processor with FSB 533MHz. The GOT5100T-832 supports Windows® 7 32-bit,, WES 7. The panel computer provides a Mini card slot for wireless module. Its excellent ID and friendly user interface make it a professional yet easy-to-use panel computer. The GOT5100T-832 is an ideal for space-limited applications in factory automation, machine maker operating systems, building automation, and more.

- GOT5100T-832: 10.4" TFT SVGA Fanless Touch Panel Computer
  - **Reliable and Stable Design**
    The GOT5100T-832 adopts a fanless cooling system, which makes it suitable for vibration environments.
  - **Embedded O.S. Supported**
    The GOT5100T-832 not only supports Windows® 7 32-bit, but also supports embedded OS, such as WES 7. For storage device, the GOT5100T-832 supports CompactFlash™ card(optional) and 2.5" SATA device.
  - **Industrial-grade Product Design**
    The GOT5100T-832 has an incredible design to be used in different industrial environments.
- The front bezel meets the IP65/NEMA4 standard.
  For connecting other devices, the GOT5100T-832 also features several interfaces: USB, Ethernet, and RS-232/422/485.

1.2 Specifications

1.2.1 Main CPU Board

- **CPU**
  - Intel® Atom™ N2600 1.6GHz processor onboard
- **System Chipset**
  - Intel® NM10 Express
- **BIOS**
  - America Megatrends BIOS
- **System Memory**
  - One 204-pin DDR3 800MHz SO-DIMM socket
  - Maximum memory up to 2GB

1.2.2 I/O System

- **Standard I/O**
  - 1x RS-232/422/485, 1x RS232

    4x USB 2.0
- **Ethernet**
  - 2x 10/100/1000Mbps Ethernet
- **Audio**
  - One Line-out
- **Expansion**
  - 1 x PCIe mini card(optional)
- **Storage**
  - One 2.5" SATA HDD
  - One slot for CompactFlash™ (optional)
- **Power connector**
  - GOT5100T-832 : DC power 10~30VDC (phoenix type)
  - GOT5100T-832-J : AC 100~240V to DC 12V adapter(Screw type)

1.2.3 System Specification

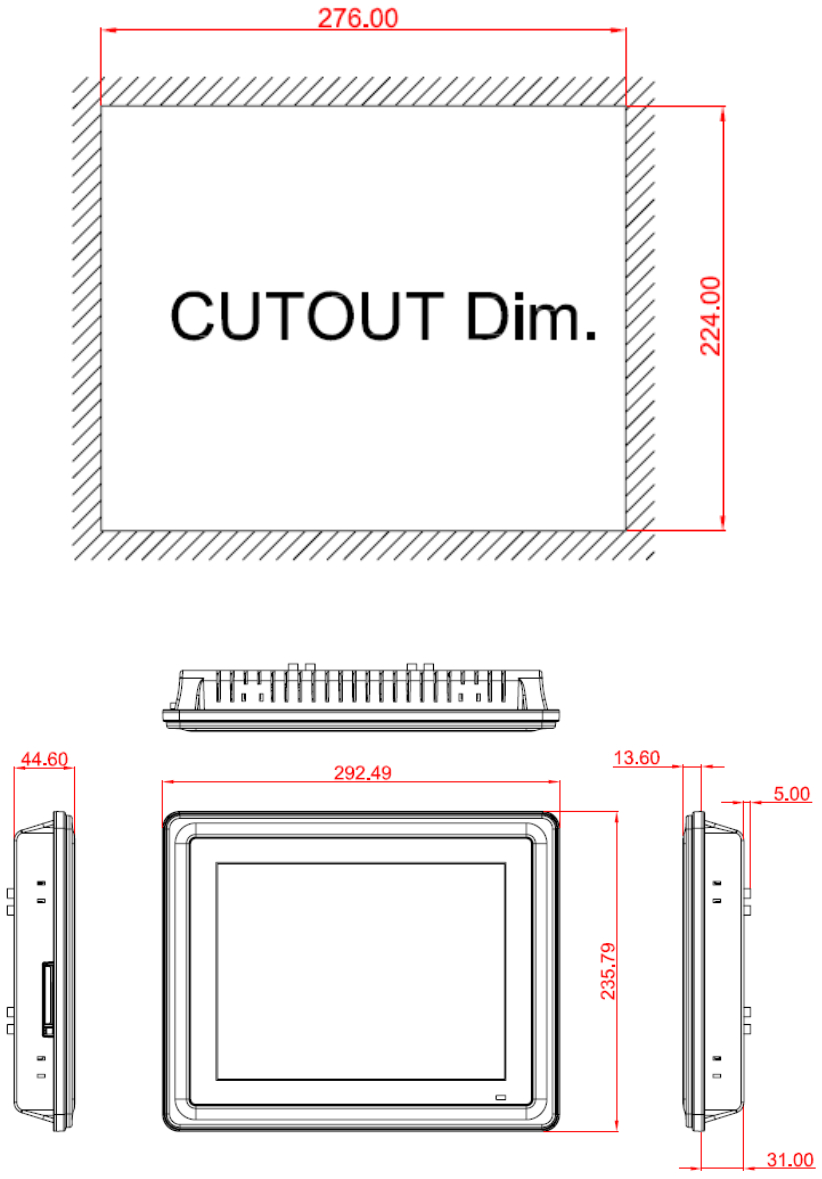
- **10.4" TFT LCD**
- **Heat Dispensing Design**
- **Disk drive housing:**
  - One 2.5" SATA drive
- **Net Weight**
  - 1.8 Kgs (3.96 lb)
- **Dimension (Main Body Size)**
  - 292.5x 45.8 x 235.8mm
- **Operation Temperature**
  - 0℃ to 50℃(with W.T. DRAM/HDD in airflow condition)
- **Relative Humidity**
  - 10% to 95% @ 40℃, Non-Condensing
- **Vibration**
  - 5 to 500 Hz, 2.0 G random for SSD
  - 5 to 500 Hz, 2.0 G random for CF card
- **Power input**
  - 10~30VDC with phoenix power connector
  - External 60W AC Adapter
    - Power Input: 100VAC to 240VAC
    - Power Output: 12VDC, Max. 5A

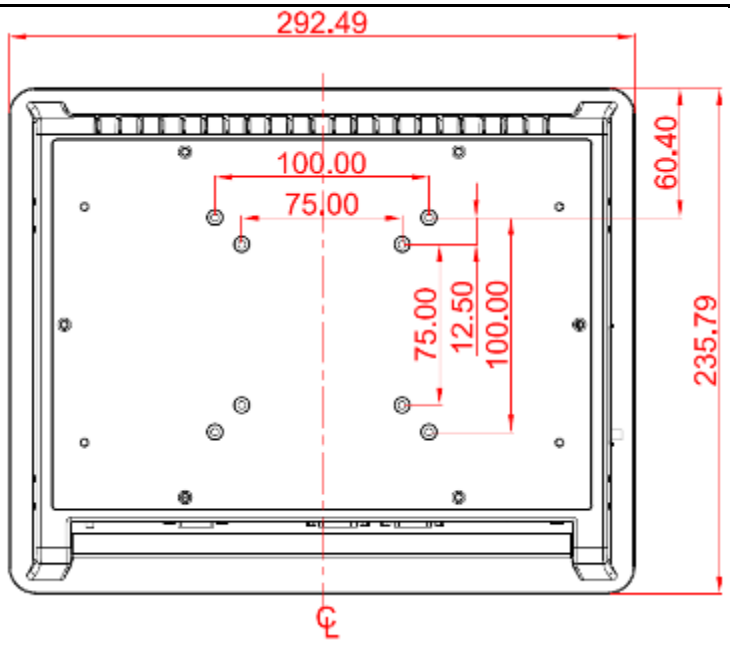
NOTE:All specifications and images are subject to change without notice.

NOTE:If the operation temperature is higher than 35℃, the wide temperature DRAM and HDD are recommended to be used o the device.

1.3 Dimensions

This diagram shows you dimensions and outlines of the GOT5100T-832.

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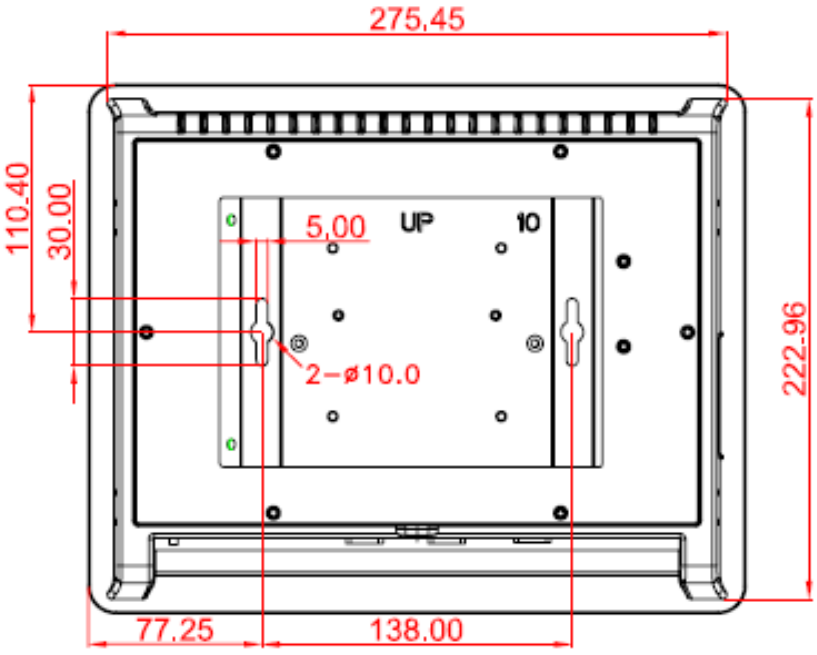
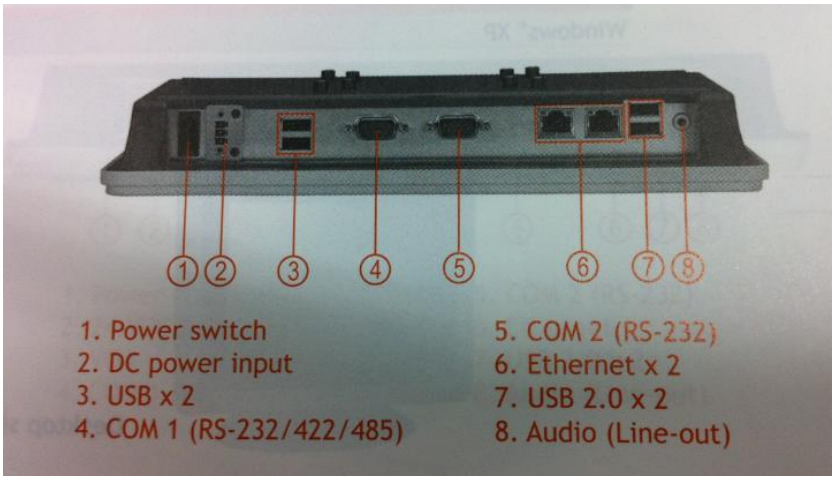
75.00
75.00
12.50
100.00
235.79


275.45
110.40
30.00
5.00
UP
10
2-ø10.0
222.96
77.25
138.00

1.4 I/O Outlets

Please refer to the following illustration for I/O locations of the GOT5100T-832.



1.5 Packing List

When you receive the GOT5100T-832, the bundled package should contain the following items:

- GOT5100T-832 x 1
- Panel Mount Kit x 6
- Driver CD x1
- Wall-Mount Kit x1
- HDD Mylar x 1
- Power Adapter & power cord (for GOT5100T-832-J)

If you can not find the package or any items are missing, please contact AXIOMTEK distributors immediately.

MEMO:

CHAPTER 2
HARDWARE INSTALLATION

The GOT5100T-832 provides rich I/O ports and flexible expansions for you to meet different demand. The chapter will show you how to install the hardware. It includes:

- **CompactFlash™ Card**
- **Serial Port**
- **Ethernet**
- **Mounting Way**
- **Hard disk**
- **Dram**
- **Wireless LAN Card**

2.1 CF card Installation

The GOT5100T-832 provides one CF slot for users to install CompactFlash™ card. Please refer to the following instructions for installation:

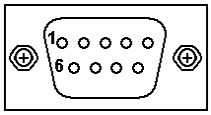
Step 1 Turn off the system, and unplug the power cord.
Step 2 Find out the cover on the side of the system.

Step 3 Locate the CompactFlash™ socket, and insert the card into the socket.

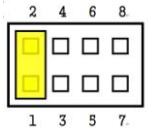
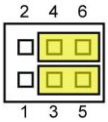
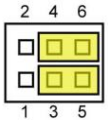
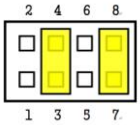
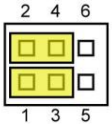
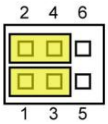
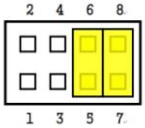
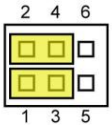
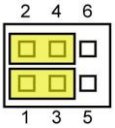
2.2 Serial Ports Interface

The GOT5100T-832 has two onboard serial ports, COM1 (RS-232/ 422/ 485) and COM2 (RS-232).
The following table shows you the pin assignments of this connector:
The following table shows you the pin assignments of this connector:

Pin	Signal	Pin	Signal
1	Data Carrier Detect (DCD)	6	Data Set Ready (DSR)
2	Receive Data (RXD)	7	Request To Send (RTS)
3	Transmit Data (TXD)	8	Clear To Send (CTS)
4	Data Terminal Ready (DTR)	9	Ring Indicator (RI)
5	Ground (GND)		



In addition, COM1 can be set for RS-232/422/485 by jumper. The jump setting is listed as below:

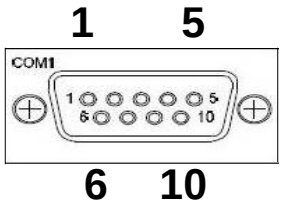
Description	Function	Jumper Setting		
COM 1	RS-232 (Default)	JP9 	JP7 	JP8 
	RS-422	JP9 	JP7 	JP8 
	RS-485	JP9 	JP7 	JP8 

2.2.1 COM1&COM2 Connector

The COM1 and COM2 is a standard DB-9 connector. This connector is equipped with +5V level power capability on DCD and +12V level on RI by setting JP10 and JP11. The pin assignment of RS-232/RS-422/RS-485 is listed on the following table. If you need COM1 port to support RS-422 or RS-485 mode, please refer to Jumper Settings

Pin	RS-232	RS-422	RS-485
1	DCD	TX-	Data-
2	RXD	TX+	Data+
3	TXD	RX+	N.C
4	DTR	RX-	N.C.
5	GND	No use	No use
6	DSR	No use	No use
7	RTS	No use	No use
8	CTS	No use	No use
9	RI	No use	No use

COM1(SBC87832)

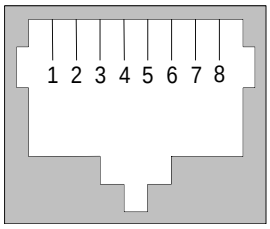


2.3 Ethernet

The GOT5100T-832 is equipped with two high performance Plug and Play Ethernet interfaces, full compliant with IEEE 802.3 standard, and can be connected with a RJ-45 LAN connector.

Please refer to detailed pin assignment list below:

Pin	Signal
1	TX+ (Data transmission positive
2	TX- (Data transmission negative)
3	Rx+(Data reception positive)
4	RJ45 termination
5	RJ45 termination
6	Rx- (Data reception negative)
7	RJ45 termination
8	RJ45 termination



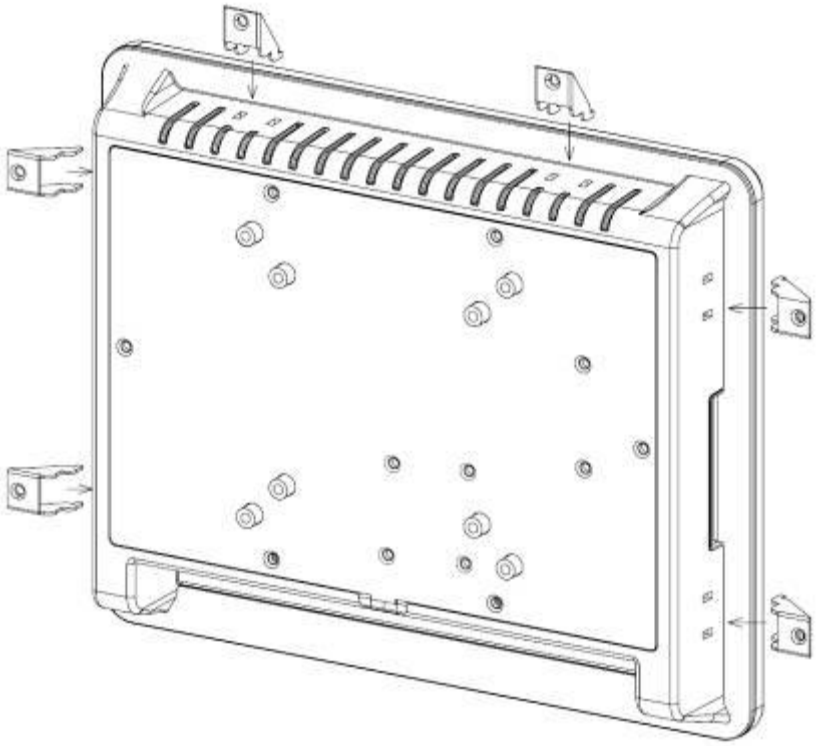
RJ-45

2.4 Mountings – Panel/Wall/Desktop/VESA

There are several mounting ways for the GOT5100T-832, Panel, Wall, Desktop and VESA mountings.

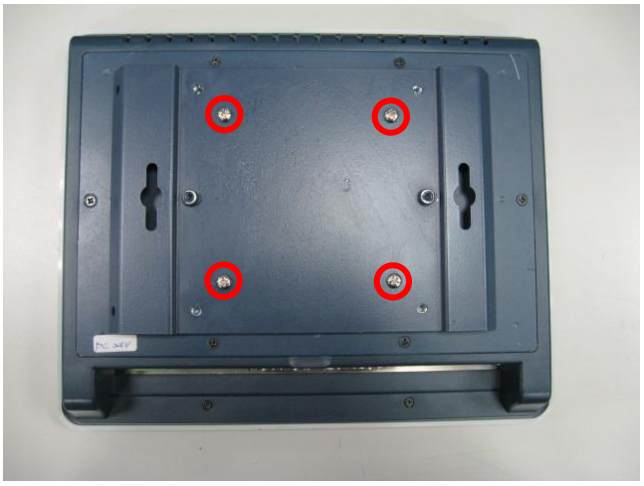
2.4.1 Panel Mounting

The GOT5100T-832 is designed for panel mount application. A set of standard mounting kit are bundled with the system package that you can use it to mount the GOT5100T-832.



2.4.2 Wall-Mounting

The GOT5100T-832 is designed for Wall mounting application. Please refer to the following steps:
Find out the screws as marked on the back side of chassis.



2.4.3 Desktop-Mounting

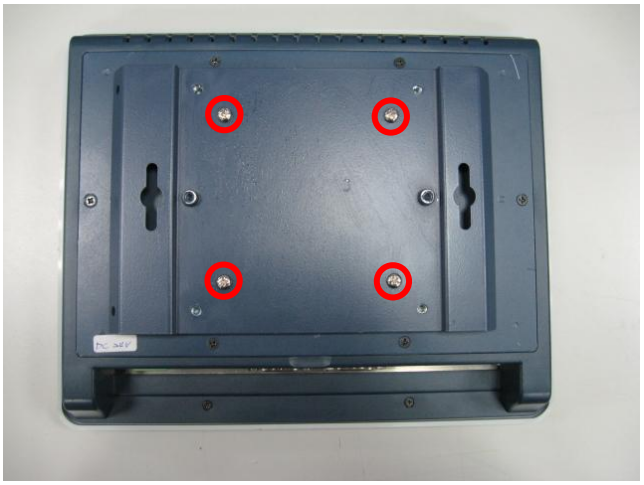
The GOT5100T-832 is designed for desktop mounting application. Please refer to the following steps:

Step 1 Find out the screws as marked on the back side of chassis.

Step 2 Assemble the desktop stand to the chassis, and fix the screws.

2.4.4 VESA-ARM Mounting

Step 1 Find out the screws as marked on the back side of chassis.



Step 2 Assemble the VESA-ARM to the back side of the chassis, and fix the screws.

Step 3 VESA mounting Installation completed.

Caution：Use recommended/suitable mounting apparatus to avoid risk of injury.

2.5 HDD Installation

The GOT5100T-832 provides a convenient Hard Disk Drive (HDD) bracket for users to install 2.5" SATA HDD. Please follow the steps:

1. Unscrew six screws to remove the rear chassis.

2. Unscrew 4 screws from the HDD bracket, and take out HDD bracket.

3. Screw the 2.5" HDD, together with the HDD Mylar, to the HDD bracket.

4. Fix the HDD bracket into the system, and plug the data and power cable to HDD. Installation complete.

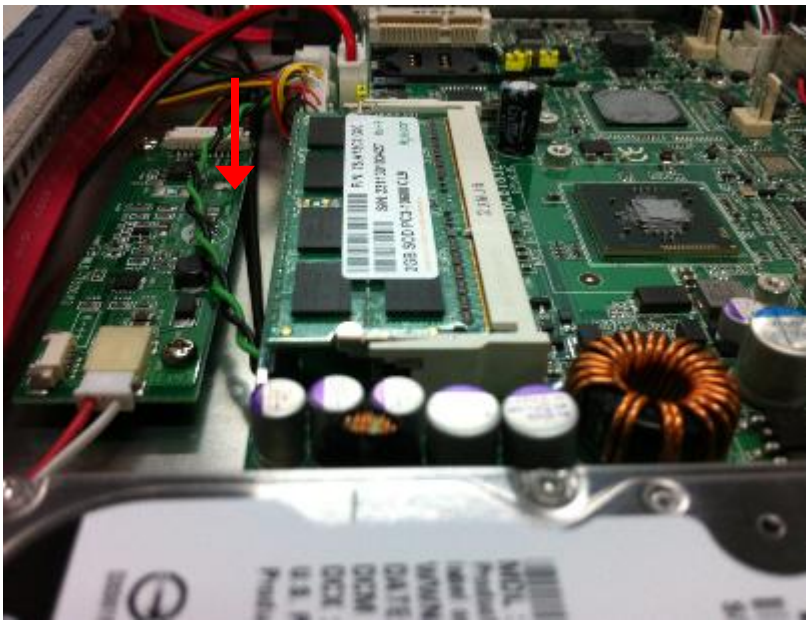
2.6 DRAM Installation

The GOT5100T-832 provides one 204-pin DDR3 800MHz SO-DIMM socket that support system memory up to 2GB. Please follow steps below to install the memory modules:

1. Open the back cover and find mainboard (SBC87832).

2. Push down latches on each side of the DIMM socket.

3. Install the memory module into the socket and push it firmly down until it is fully seated. The socket latches are levered upwards and clipped on to the edges of the DIMM.



2.7 Wireless LAN Card Installation

The GOT5100T-832 provides one Mini card slot for user to install one wireless LAN card. When installing the wireless LAN card, refer to the following instructions and illustration:

1. Open the back cover and find mainboard (SBC87832).

2. The socket latches are clipped on to the edges of the Mini card. Install wireless LAN card to the socket.

NOTE: Please have the extented bracket when using half-size mini card.

MEMO:

CHAPTER 3
AMI BIOS SETUP UTILITY

This chapter provides users with detailed description how to set up basic system configuration through the AMIBIOS8 BIOS setup utility.

3.1 Starting

To enter the setup screens, follow the steps below:
Turn on the computer and press the <Del> key immediately.
After you press the <Delete> key, the main BIOS setup menu displays. You can access the other setup screens from the main BIOS setup menu, such as the Chipset and Power menus.

3.2 Navigation Keys

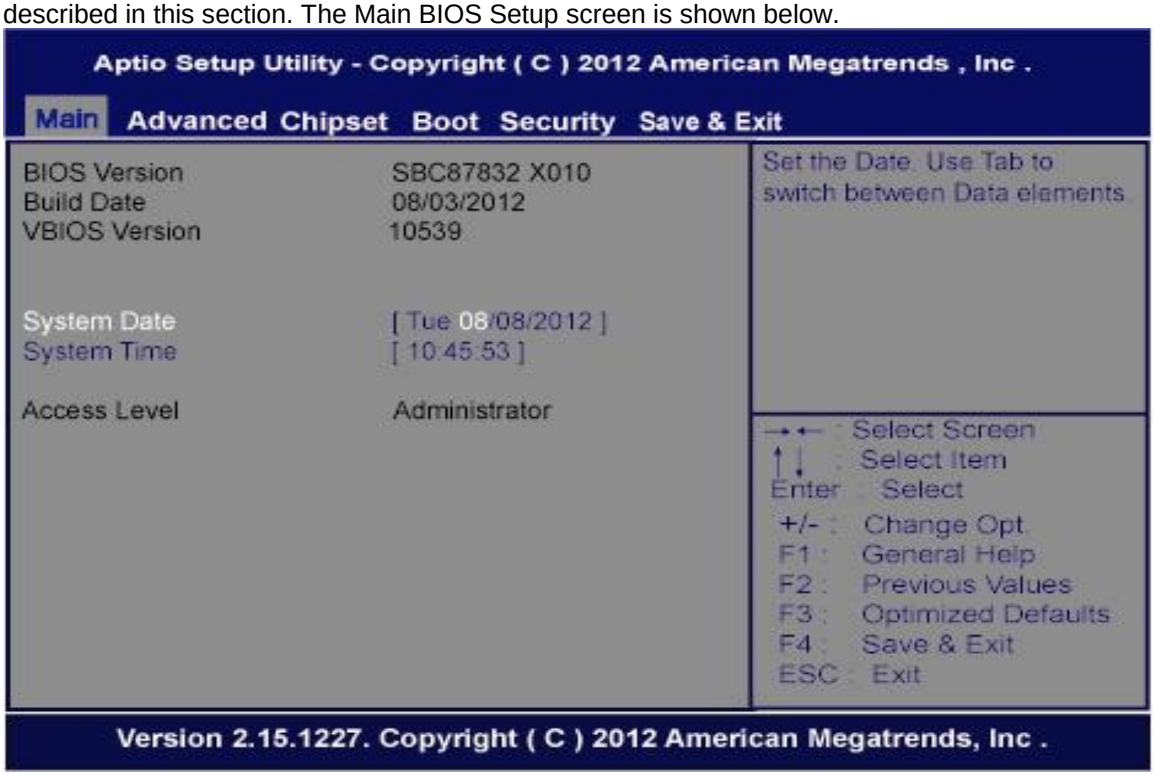
The BIOS setup/utility uses a key-based navigation system called hot keys. Most of the BIOS setup utility hot keys can be used at any time during the setup navigation process.
These keys include <F1>, <F10>, <Enter>, <ESC>, <Arrow> keys, and so on.

Note: Some of navigation keys differ from one screen to another.

← Left/Right	The Left and Right <Arrow> keys allow you to select a setup screen.
↑↓ Up/Down	The Up and Down <Arrow> keys allow you to select a setup screen or sub-screen.
+– Plus/Minus	The Plus and Minus <Arrow> keys allow you to change the field value of a particular setup item.
Tab	The <Tab> key allows you to select setup fields.
F1	The <F1> key allows you to display the General Help screen.
F10	The <F10> key allows you to save any changes you have made and exit Setup. Press the <F10> key to save your changes.
Esc	The <Esc> key allows you to discard any changes you have made and exit the Setup. Press the <Esc> key to exit the setup without saving your changes.
Enter	The <Enter> key allows you to display or change the setup option listed for a particular setup item. The <Enter> key can also allow you to display the setup sub-screens.

3.3 Main Menu

When you first enter the Setup Utility, you will enter the Main setup screen. You can always return to the Main setup screen by selecting the Main tab. There are two Main Setup options. They are described in this section. The Main BIOS Setup screen is shown below.


Aptio Setup Utility - Copyright (C) 2012 American Megatrends , Inc .
Main Advanced Chipset Boot Security Save & Exit
BIOS Version SBC87832 X010
Build Date 08/03/2012
VBIOS Version 10539
System Date [Tue 08/08/2012]
System Time [10:45:53]
Access Level Administrator
Set the Date. Use Tab to switch between Data elements.
→← : Select Screen
↑↓ : Select Item
Enter : Select
+/- : Change Opt.
F1 : General Help
F2 : Previous Values
F3 : Optimized Defaults
F4 : Save & Exit
ESC : Exit
Version 2.15.1227. Copyright (C) 2012 American Megatrends, Inc .

- **System Time/Date**

  Use this option to change the system time and date. Highlight System Time or System Date using the <Arrow> keys. Enter new values through the keyboard. Press the <Tab> key or the <Arrow> keys to move between fields. The date must be entered in MM/DD/YY format. The time is entered in HH:MM:SS format.

3.4 Advanced Menu

- **Launch PXE OpROM**

Use this item to enable or disable the boot ROM function of the onboard LAN chip when the system boots up.

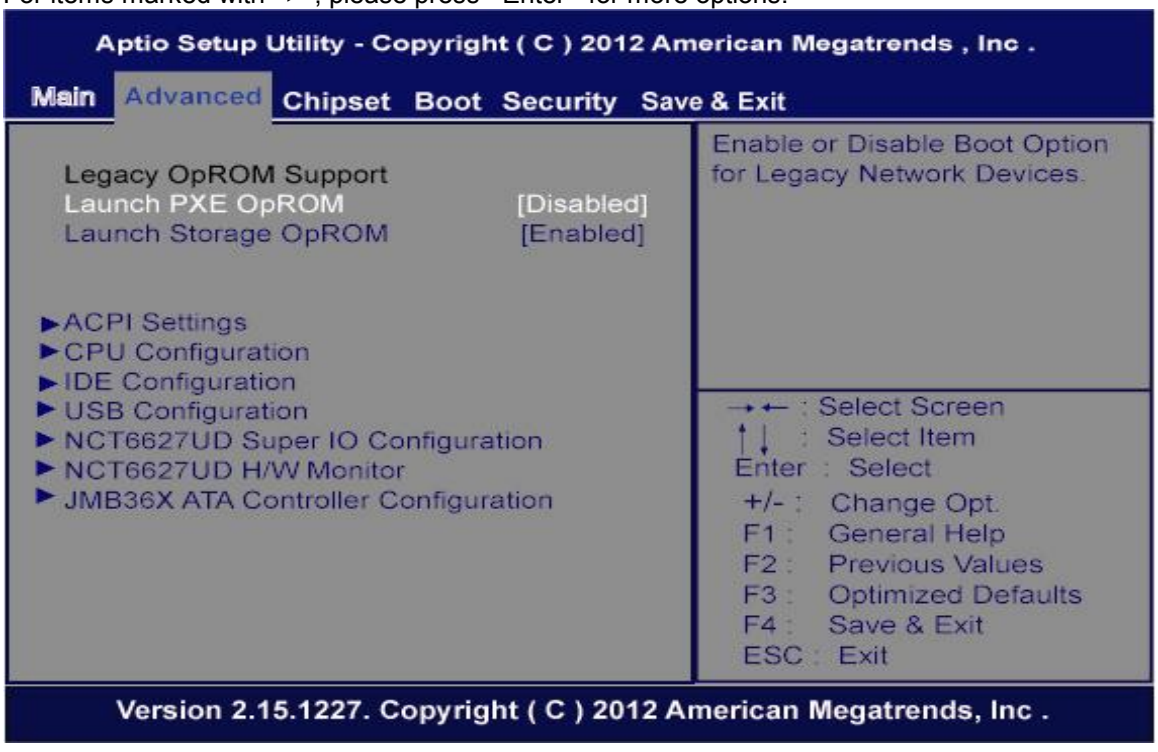
- **Launch Storage OpROM**

Enable or disable boot option for legacy mass storage devices with Option ROM.

The Advanced menu allows users to set configuration of the CPU and other system devices. You can select any of the items in the left frame of the screen to go to the sub menus:

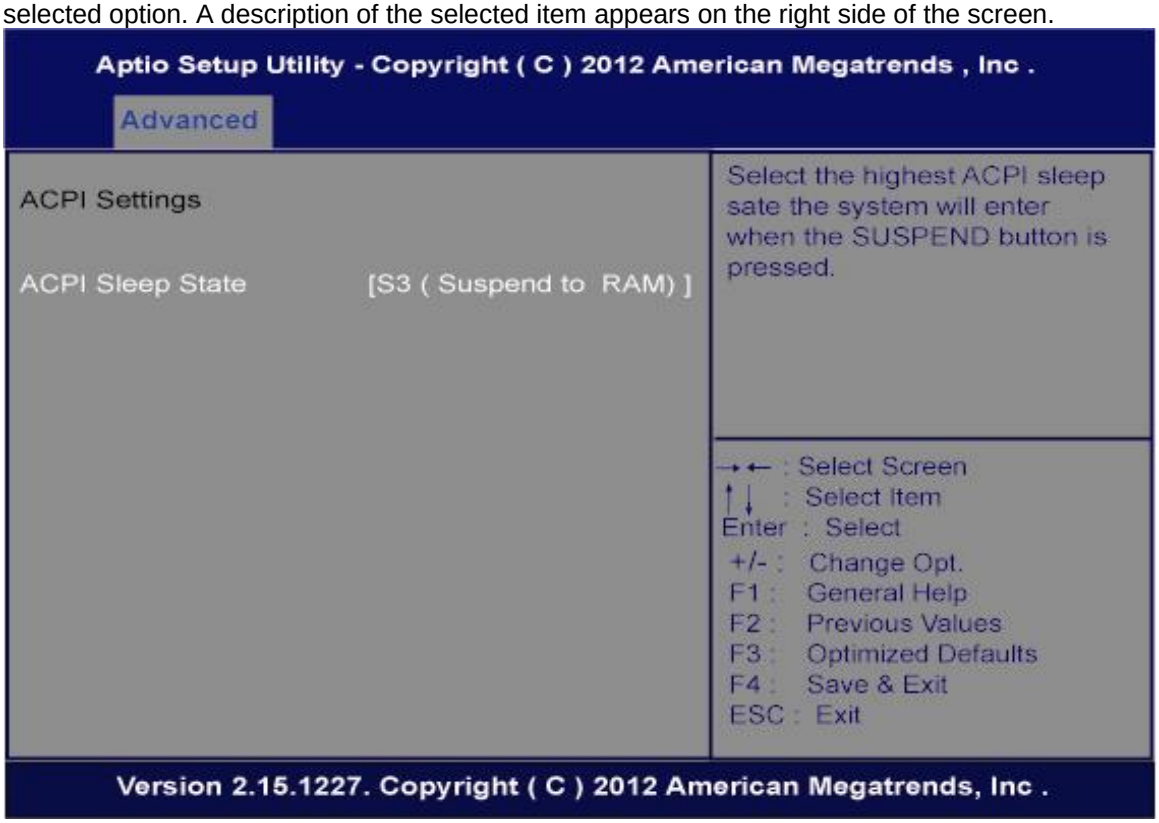
- ► ACPI Settings
- ► CPU Configuration
- ► IDE Configuration
- ► USB Configuration
- ► NCT6627UD Superior IO Configuration
- ► NCT6627UD HW Monitor
- ► JMB36X ATA Controller Configuration

For items marked with "►", please press <Enter> for more options.



- **ACPI Settings**

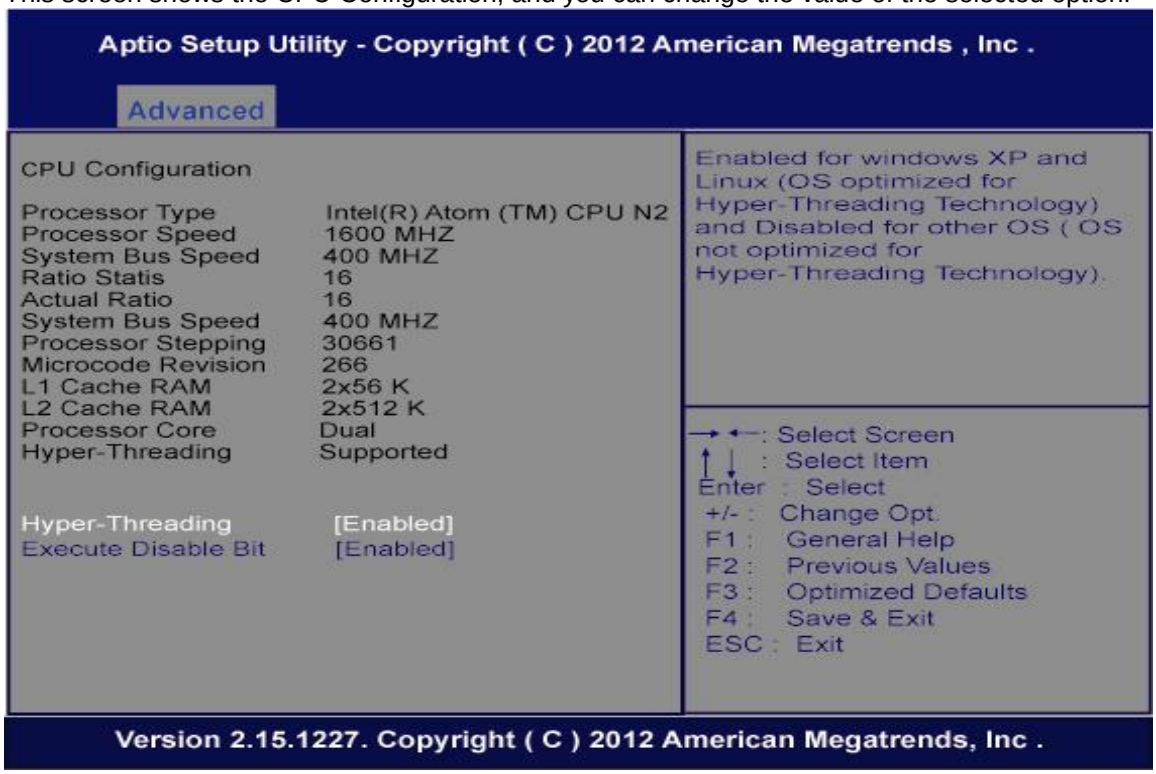
You can use this screen to select options for the ACPI Settings, and change the value of the selected option. A description of the selected item appears on the right side of the screen.


Aptio Setup Utility - Copyright (C) 2012 American Megatrends , Inc .
Advanced
ACPI Settings
ACPI Sleep State
[S3 (Suspend to RAM)]
Select the highest ACPI sleep sate the system will enter when the SUSPEND button is pressed.
→← : Select Screen
↑↓ : Select Item
Enter : Select
+/- : Change Opt.
F1 : General Help
F2 : Previous Values
F3 : Optimized Defaults
F4 : Save & Exit
ESC : Exit
Version 2.15.1227. Copyright (C) 2012 American Megatrends, Inc .

- **ACPI Sleep State**
  Use this item to select the highest ACPI sleep state the system will enter.

- **CPU Configuration**

This screen shows the CPU Configuration, and you can change the value of the selected option.


Aptio Setup Utility - Copyright (C) 2012 American Megatrends , Inc .
Advanced
CPU Configuration
Processor Type Intel(R) Atom (TM) CPU N2
Processor Speed 1600 MHZ
System Bus Speed 400 MHZ
Ratio Statis 16
Actual Ratio 16
System Bus Speed 400 MHZ
Processor Stepping 30661
Microcode Revision 266
L1 Cache RAM 2x56 K
L2 Cache RAM 2x512 K
Processor Core Dual
Hyper-Threading Supported
Hyper-Threading [Enabled]
Execute Disable Bit [Enabled]
Enabled for windows XP and Linux (OS optimized for Hyper-Threading Technology) and Disabled for other OS (OS not optimized for Hyper-Threading Technology).
: Select Screen
: Select Item
Enter : Select
+/- : Change Opt.
F1 : General Help
F2 : Previous Values
F3 : Optimized Defaults
F4 : Save & Exit
ESC : Exit
Version 2.15.1227. Copyright (C) 2012 American Megatrends, Inc .

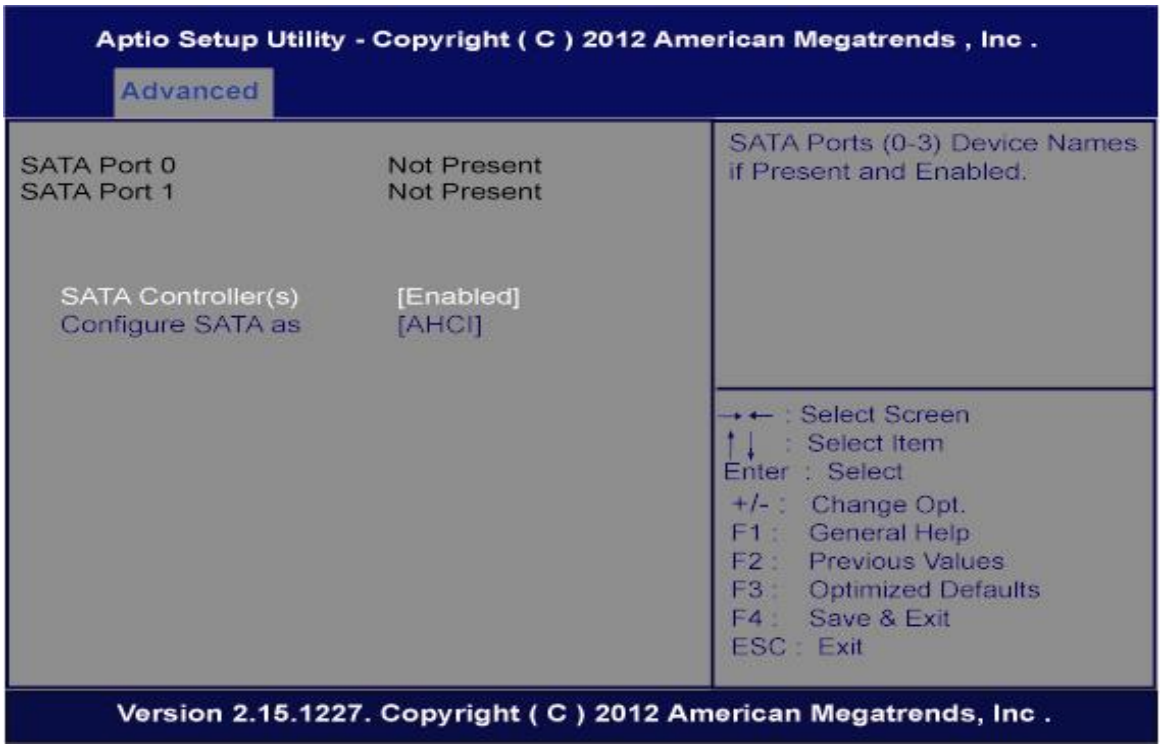
- **Hyper Threading Technology**

  Use this item to enable or disable Hyper-Threading Technology, which makes a single physical processor perform multi-tasking function as two logical ones.

- **Execute Disable Bit**

  This item helps you enable or disable the No-Execution Page Protection Technology

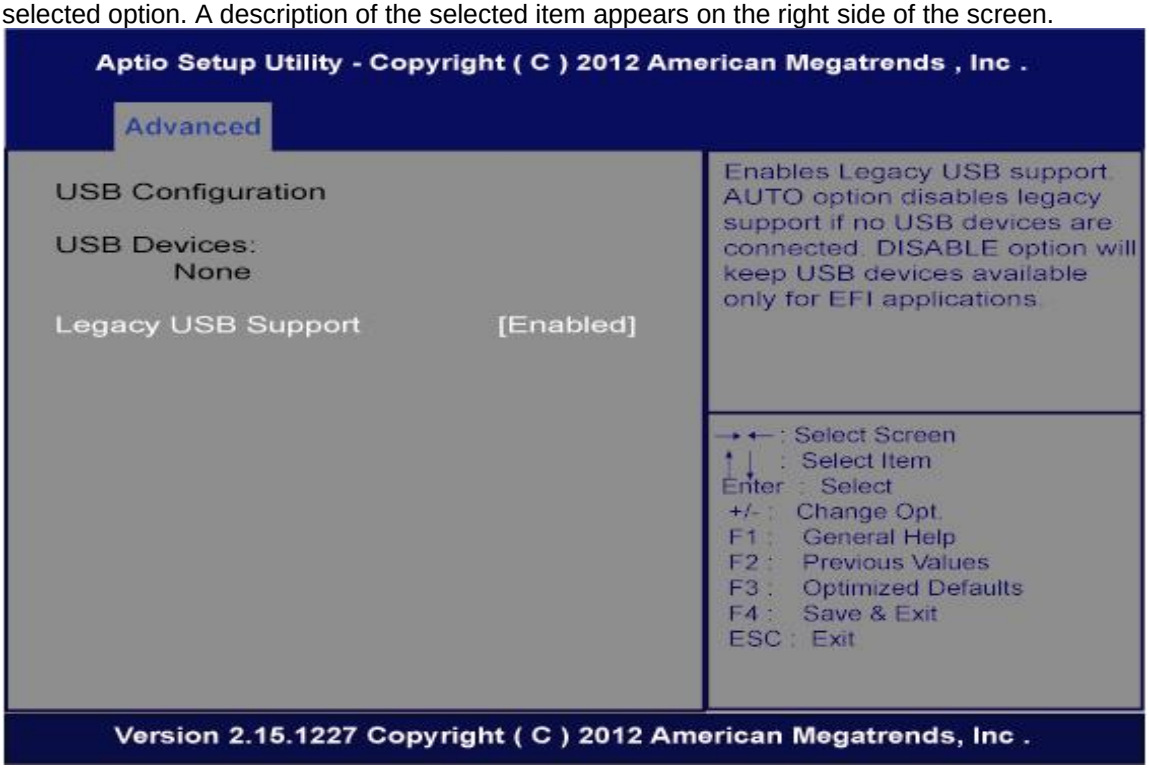
- **IDE Configuration**


Aptio Setup Utility - Copyright (C) 2012 American Megatrends , Inc .
Advanced
SATA Port 0 Not Present
SATA Port 1 Not Present
SATA Controller(s) [Enabled]
Configure SATA as [AHCI]
SATA Ports (0-3) Device Names if Present and Enabled.
→← : Select Screen
↑↓ : Select Item
Enter : Select
+/- : Change Opt.
F1 : General Help
F2 : Previous Values
F3 : Optimized Defaults
F4 : Save & Exit
ESC : Exit
Version 2.15.1227. Copyright (C) 2012 American Megatrends, Inc .

- **SATA Controller(s)**
  The optional settings are: [Disabled]; [Enabled].
- **Configure SATA as**
  The optional settings are: [IDE]; [AHCI].

- **USB Configuration**

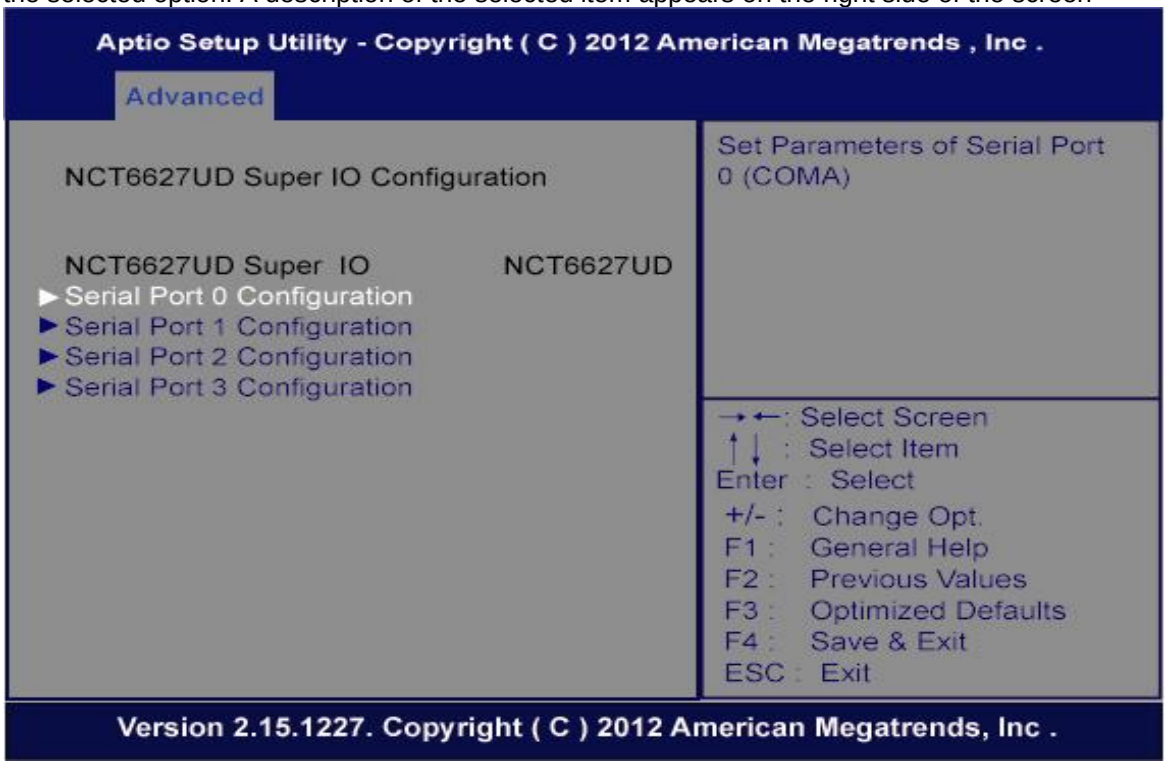
You can use this screen to select options for the USB Configuration, and change the value of the selected option. A description of the selected item appears on the right side of the screen.


Aptio Setup Utility - Copyright (C) 2012 American Megatrends , Inc .
Advanced
USB Configuration
USB Devices:
None
Legacy USB Support [Enabled]
Enables Legacy USB support. AUTO option disables legacy support if no USB devices are connected. DISABLE option will keep USB devices available only for EFI applications.
→ ← : Select Screen
↑ ↓ : Select Item
Enter : Select
+/- : Change Opt.
F1 : General Help
F2 : Previous Values
F3 : Optimized Defaults
F4 : Save & Exit
ESC : Exit
Version 2.15.1227 Copyright (C) 2012 American Megatrends, Inc .

- **Legacy USB Support**
  The optional settings are: [Auto]; [Disabled]; [Enabled].

- **NCT6627UD Super IO Configuration**

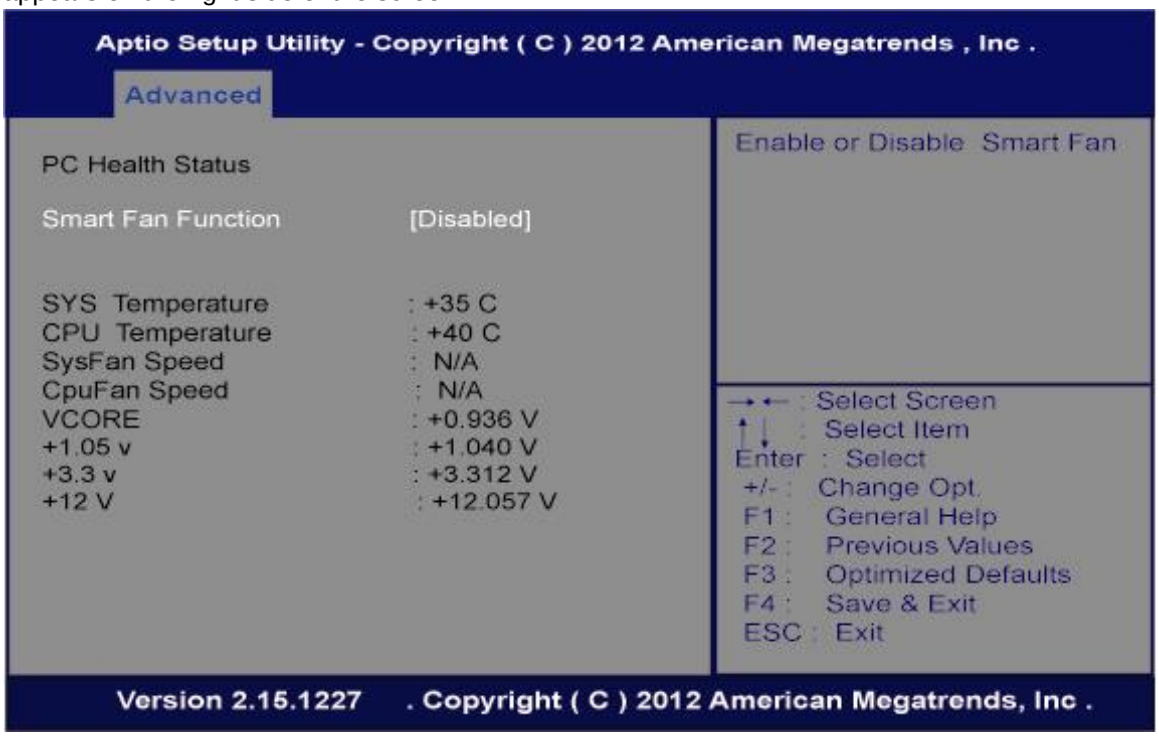
You can use this screen to select options for the Super IO Configuration, and change the value of the selected option. A description of the selected item appears on the right side of the screen


Aptio Setup Utility - Copyright (C) 2012 American Megatrends , Inc .
Advanced
NCT6627UD Super IO Configuration
NCT6627UD Super IO NCT6627UD
► Serial Port 0 Configuration
► Serial Port 1 Configuration
► Serial Port 2 Configuration
► Serial Port 3 Configuration
Set Parameters of Serial Port 0 (COMA)
→←: Select Screen
↑↓ : Select Item
Enter : Select
+/- : Change Opt.
F1 : General Help
F2 : Previous Values
F3 : Optimized Defaults
F4 : Save & Exit
ESC : Exit
Version 2.15.1227. Copyright (C) 2012 American Megatrends, Inc .

- **Serial Port Configuration**
  Use this item to set parameters of serial port 0~3.

- **PC Health Status**

This screen shows the Hardware Health Configuration, and a description of the selected item appears on the right side of the screen.


Aptio Setup Utility - Copyright (C) 2012 American Megatrends , Inc .
Advanced
PC Health Status
Smart Fan Function [Disabled]
SYS Temperature : +35 C
CPU Temperature : +40 C
SysFan Speed : N/A
CpuFan Speed : N/A
VCORE : +0.936 V
+1.05 v : +1.040 V
+3.3 v : +3.312 V
+12 V : +12.057 V
Enable or Disable Smart Fan
→← : Select Screen
↑↓ : Select Item
Enter : Select
+/- : Change Opt.
F1 : General Help
F2 : Previous Values
F3 : Optimized Defaults
F4 : Save & Exit
ESC : Exit
Version 2.15.1227 . Copyright (C) 2012 American Megatrends, Inc .

3.5 Chipset Menu

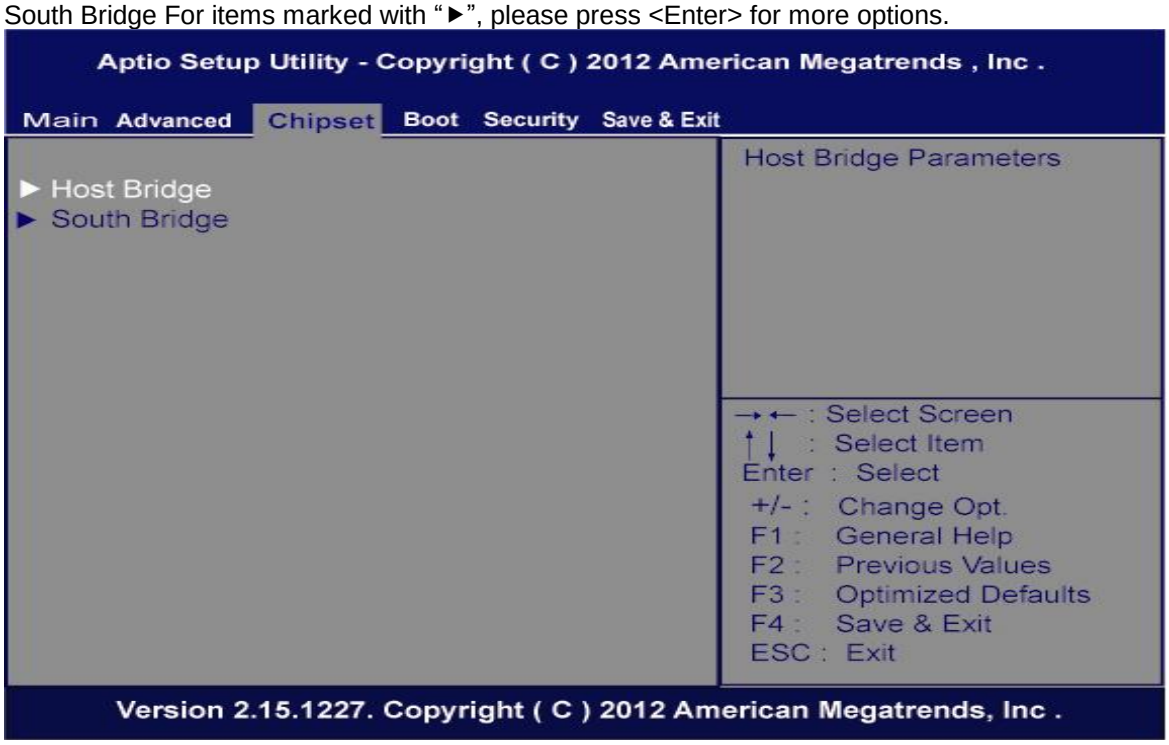
The Chipset menu allows users to change the advanced chipset settings. You can select any of the items in the left frame of the screen to go to the sub menus:

- **Host Bridge**

Host Bridge For items marked with "►", please press <Enter> for more options.

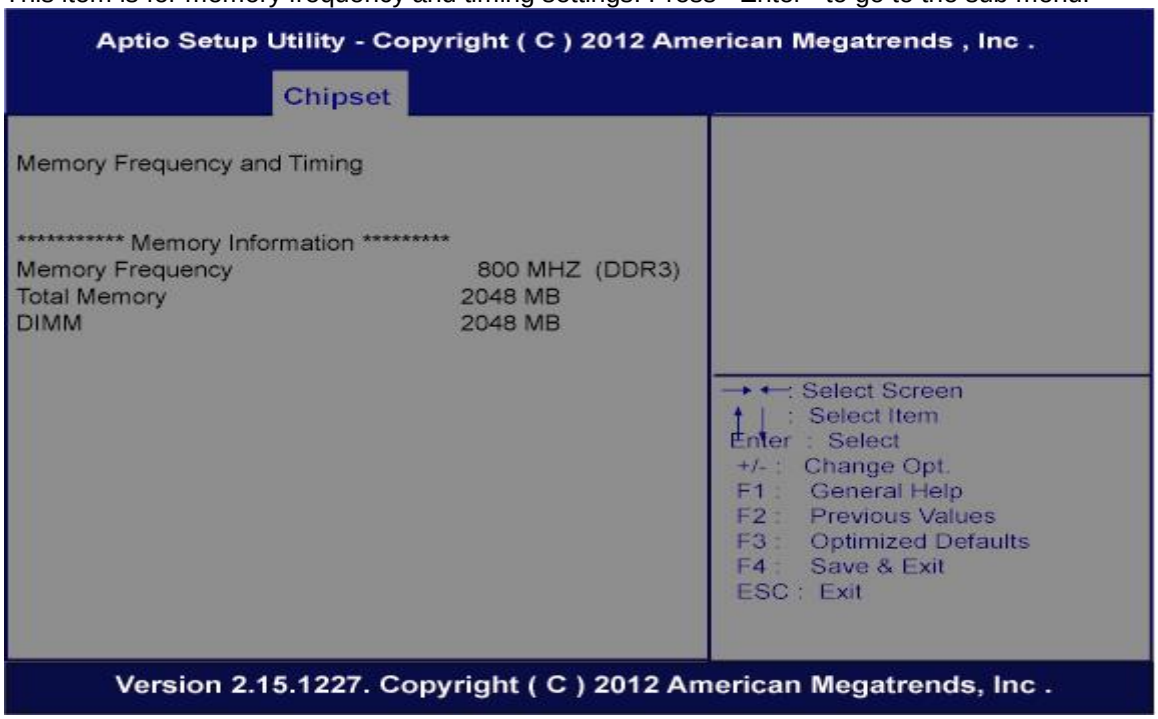
- **South Bridge**

South Bridge For items marked with "►", please press <Enter> for more options.


Aptio Setup Utility - Copyright (C) 2012 American Megatrends , Inc .
Main Advanced Chipset Boot Security Save & Exit
► Host Bridge
► South Bridge
Host Bridge Parameters
→← : Select Screen
↑↓ : Select Item
Enter : Select
+/- : Change Opt.
F1 : General Help
F2 : Previous Values
F3 : Optimized Defaults
F4 : Save & Exit
ESC : Exit
Version 2.15.1227. Copyright (C) 2012 American Megatrends, Inc .

- **Memory Frequency and Timing**

This item is for memory frequency and timing settings. Press <Enter> to go to the sub menu.


Aptio Setup Utility - Copyright (C) 2012 American Megatrends , Inc .
Chipset
Memory Frequency and Timing
********** Memory Information *********
Memory Frequency 800 MHZ (DDR3)
Total Memory 2048 MB
DIMM 2048 MB
: Select Screen
: Select Item
Enter : Select
+/- : Change Opt.
F1 : General Help
F2 : Previous Values
F3 : Optimized Defaults
F4 : Save & Exit
ESC : Exit
Version 2.15.1227. Copyright (C) 2012 American Megatrends, Inc .

3.6 Boot Menu

The Boot menu allows users to change boot options of the system.

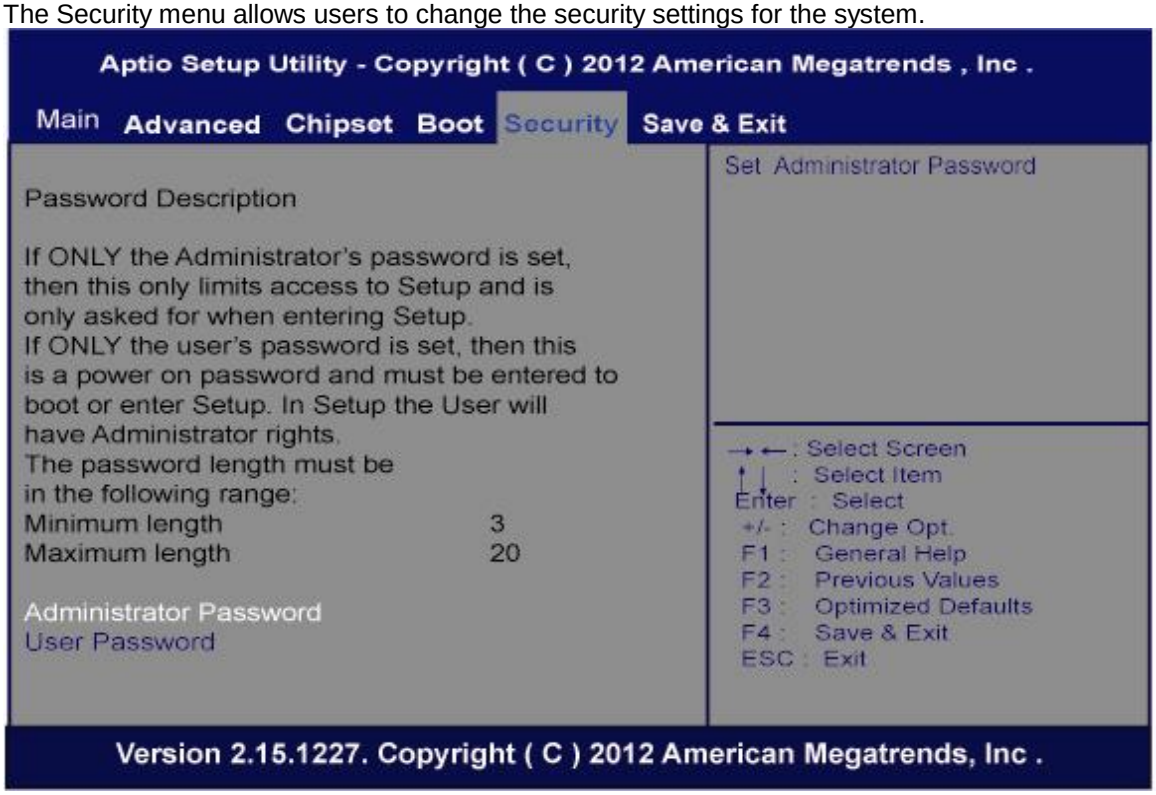
- **Boot Settings Configuration**

Aptio Setup Utility - Copyright (C) 2012 American Megatrends , Inc .
Main Advanced Chipset Boot Security Save & Exit
Boot Configuration
Setup Prompt Timeout
1
Bootup NumLock State
[On]
Quiet Boot
[Disabled]
CSM16 Module Verison
07. 68
GateA20 Active
[Upon Request]
Option ROM Messages
[Force BIOS]
Interrupt 19 Capture
[Enabled]
Boot Option Priorities
Number of seconds to wait for setup activation key. 65535(0xFFFF) means indefinite waiting .
→← : Select Screen
↑↓ : Select Item
Enter : Select
+/- : Change Opt.
F1 : General Help
F2 : Previous Values
F3 : Optimized Defaults
F4 : Save & Exit
ESC : Exit
Version 2.15.1227. Copyright (C) 2012 American Megatrends, Inc .

- **Setup Prompt Timeout**
  Use this item to set number of seconds to wait for setup activation key.
- **Bootup NumLock State**
  Use this item to select the power-on state for the NumLock.. The optional settings are: [On]; [Off].
- **GateA20 Active**
  If Upon Request is selected, GA20 can be disabled using BIOS services. If Always is selected, disabling G20 is not allowed; this option is useful when any RT code is executed above 1MB.
- **Option ROM Messages**
  Set display mode for option ROM. Configuration options are Force BIOS and Keep Current.
- **Interrupt 19 Capture**
  If this item is enabled, this function makes the option ROM to trap Interrupt 19.
- **Boot Option Priorities**
  These are settings for boot priority. Specify the boot device priority sequence from the available devices.

3.7 Security Menu

The Security menu allows users to change the security settings for the system.

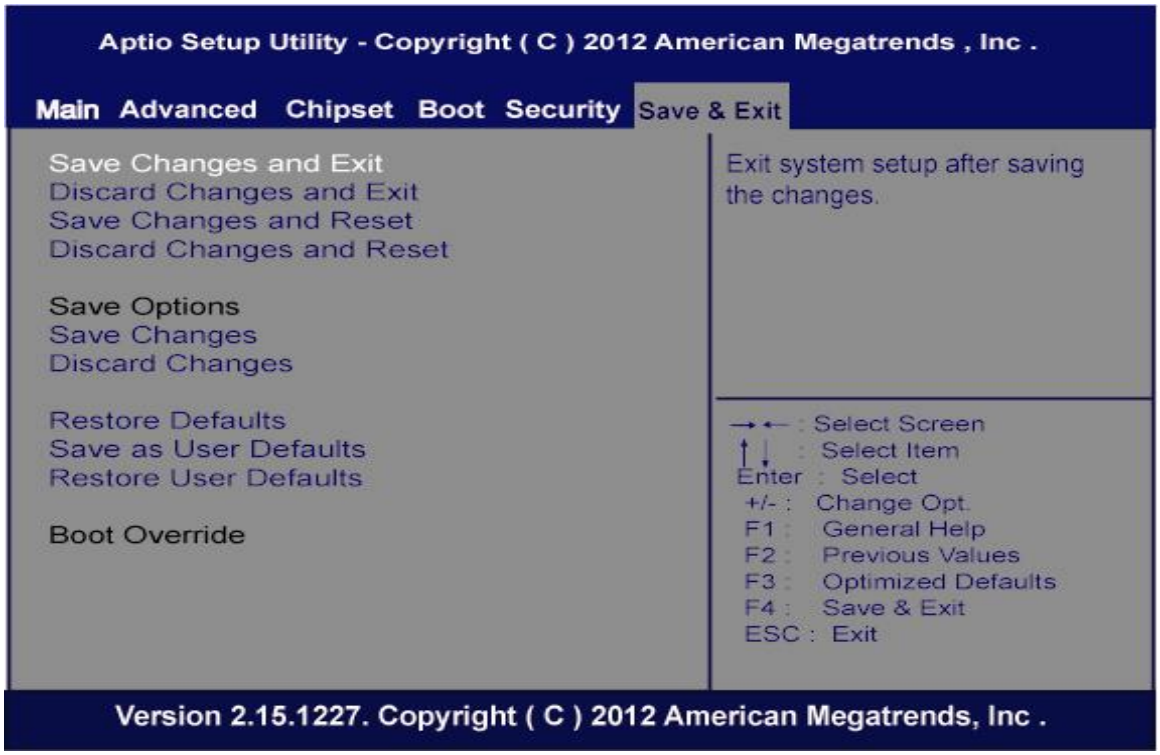

Aptio Setup Utility - Copyright (C) 2012 American Megatrends , Inc .
Main
Advanced
Chipset
Boot
Security
Save & Exit
Password Description
If ONLY the Administrator's password is set, then this only limits access to Setup and is only asked for when entering Setup.
If ONLY the user's password is set, then this is a power on password and must be entered to boot or enter Setup. In Setup the User will have Administrator rights.
The password length must be in the following range:
Minimum length 3
Maximum length 20
Administrator Password
User Password
Set Administrator Password
→ ←: Select Screen
↑ ↓ : Select Item
Enter : Select
+/- : Change Opt.
F1 : General Help
F2 : Previous Values
F3 : Optimized Defaults
F4 : Save & Exit
ESC : Exit
Version 2.15.1227. Copyright (C) 2012 American Megatrends, Inc .

- **Administrator Password**
  This item indicates whether an administrator password has been set. If the password has been installed, Installed displays. If not, Not Installed displays.

- **User Password**
  This item indicates whether a user password has been set. If the password has been installed, Installed displays. If not, Not Installed displays.

3.8 Exit Menu

The Save & Exit menu allows users to load system configuration with optimal or failsafe default values.


Aptio Setup Utility - Copyright (C) 2012 American Megatrends , Inc .
Main Advanced Chipset Boot Security Save & Exit
Save Changes and Exit
Discard Changes and Exit
Save Changes and Reset
Discard Changes and Reset
Save Options
Save Changes
Discard Changes
Restore Defaults
Save as User Defaults
Restore User Defaults
Boot Override
Exit system setup after saving the changes.
→← : Select Screen
↑↓ : Select Item
Enter : Select
+/- : Change Opt.
F1 : General Help
F2 : Previous Values
F3 : Optimized Defaults
F4 : Save & Exit
ESC : Exit
Version 2.15.1227. Copyright (C) 2012 American Megatrends, Inc .

- **Save Changes and Exit**
  When you have completed the system configuration changes, select this option to leave Setup and reboot the computer so the new system configuration parameters can take effect. Select Save Changes and Exit from the Exit menu and press <Enter>. Select Ok to save changes and exit.

- **Discard Changes and Exit**
  Select this option to quit Setup without making any permanent changes to the system configuration. Select Discard Changes and Exit from the Exit menu and press <Enter>. Select Ok to discard changes and exit.

- **Save Changes and Reset**
  When you have completed the system configuration changes, select this option to leave Setup and reboot the computer so the new system configuration parameters can take effect. Select Save Changes and Reset from the Save & Exit menu and press <Enter>. Select Yes to save changes and reset.

- **Discard Changes and Reset**
  Select this option to quit Setup without making any permanent changes to the system configuration and reboot the computer. Select Discard Changes and Reset from the Save & Exit menu and press <Enter>. Select Yes to discard changes and reset.

- **Save Changes**
  When you have completed the system configuration changes, select this option to save changes. Select Save Changes from the Save & Exit menu and press <Enter>. Select yes to save changes.

- **Discard Changes**
  Select this option to quit Setup without making any permanent changes to the system configuration. Select Discard Changes from the Save & Exit menu and press <Enter>. Select Yes to discard changes.

- **Restore Defaults**
  It automatically sets all Setup options to a complete set of default settings when you select this option. Select Restore Defaults from the Save & Exit menu and press <Enter>.

- **Save as User Defaults**
  Select this option to save system configuration changes done so far as User Defaults. Select Save as User Defaults from the Save & Exit menu and press <Enter>.

- **Restore User Defaults**
  It automatically sets all Setup options to a complete set of User Defaults when you select this option. Select Restore User Defaults from the Save & Exit menu and press <Enter>.

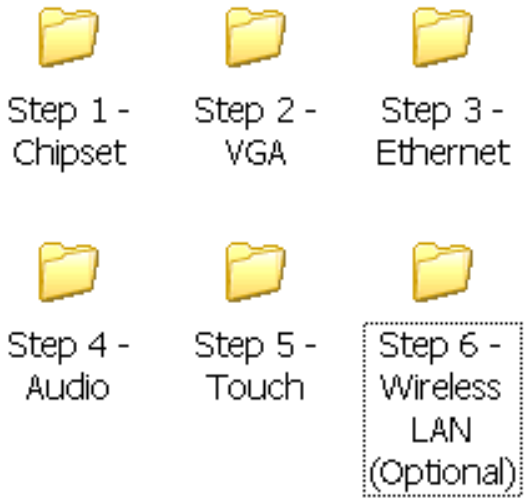
- **Boot Override**
  Select a drive to immediately boot that device regardless of the current boot order.

CHAPTER 4
DRIVERS INSTALLATION

4.1 System

GOT5100T-832 supports Windows7 32-bit. To facilitate the installation of system driver, please carefully read the instructions in this chapter before start installing.

1. Insert Driver CD and select the "\Drivers".



2. Select all files and follow the installing procedure.

4.2 Touch Screen

The GOT5100T-832 uses the 5-wire analog resistve. There are the specification and driver installation which are listed below.

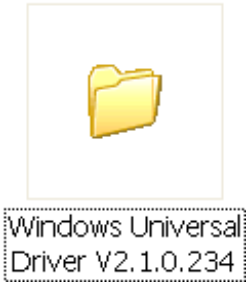
4.2.1 Specification

Touch Screen	5-wire Analog Resistive type
Touch Screen Controller	PenMount 6000 USB Touch Screen Controller IC
Communications	USB interface
Baud Rate	19200 baud rate fixed
Resolution	800 x 600 (10 bit A/D converter inside)
Power Input	5V
Power Consumption	Active: 24.6mA / Idle Mode: 13.4mA

4.2.2 Driver Installation- Windows 7

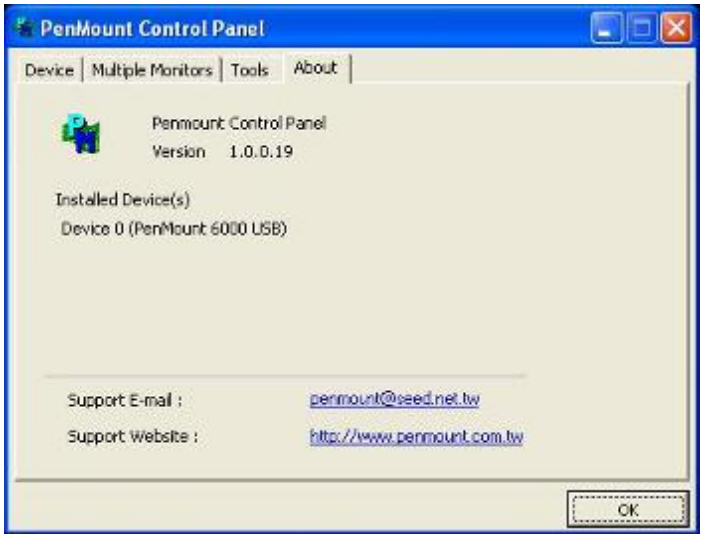
The GOT5100T-832 provides a touch screen driver that users can install it under the operating system Windows 7. To facilitate installation of the touch screen driver, you should read the instructions in this chapter carefully before you attempt installation.

1. Insert Driver CD and follow the path to select the "\Drivers\Step 5 - Touch".



2. Follow the installing procedure and press OK.

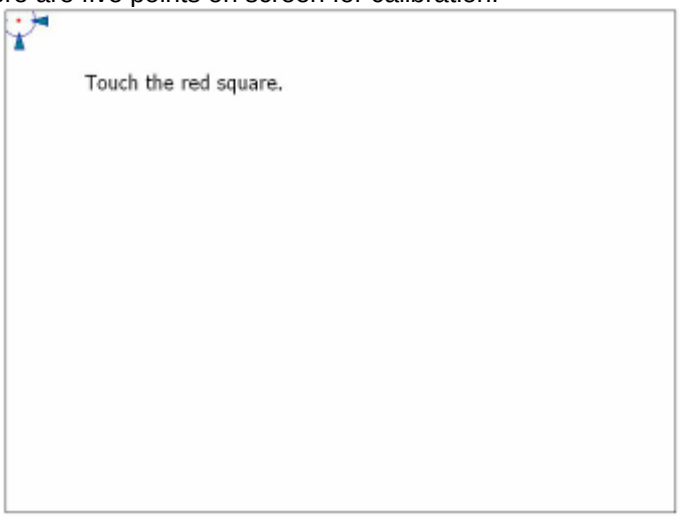
3. Click Start menu and select "PenMount Utilities"; and then, a "PenMount Control Panel" pops out.



4. Select the "Standard Calibrate" tab.

5. Calibration:

   To adjust the display with touch panel, click "Calibration" and follow the calibrate point to do calibration; there are five points on screen for calibration.



6. Press OK.

4.3 Embedded O.S.

The GOT-5100T provides the WES 7. The O.S. is supported devices which are listed below.

4.3.1 WES 7

Here are supported onboard devices:

- Onboard Multi I/O
- SATA HDD
- USB
- PS2 Keyboard and mouse
- Compact Flash
- CRT/LCD display(Default 18bits Resolution 800x600)
- 10/100/1000 base-T Ethernet
- Onboard Audio
- Touch Screen

PenMount Touch screen

Before you can use and calibrate it, here is what you should do:

1. Set up Penmount touch device driver by executing C:\Penmount\ Windows 2000-XP V5.0\setup.exe. When the installation is finished, an icon "PM" appears on the Taskbar.
2. Calibrate Penmount touch by clicking on the "PM" icon, and the go on the calibration
3. Restart the computer.

4.3.2 Windows CE.NET 6.0

Here are supported onboard devices:

- Onboard Multi I/O
- SATA HDD
- USB
- PS2 Keyboard and mouse
- CRT/LCD display
- 10/100/1000 base-T Ethernet
- Onboard Audio
- Audio
- Touch Screen

Calibration Touch screen

In this image we add PenMount Touch drivers and utilities. It is customized for 800 x 600.

Calibration:

1. Click "Calibratyion" on desktop to calibrate touch screen.
2. In the start\programs menu, select "save registry", thus Calibration data will be saved and effective in next booting.

MEMO: